

1072959



## OSSTEM Implant Co., Ltd.

#507-8 Geoje3-Dong Yeonje-Gu Busan, 611-804 Republic of Korea  
Tel: +82 51 850-2500 Fax: +82 51 850-4341 www.osstem.com

### 510(k) Summary

This summary of 510(k) safety and effectiveness information is being submitted in accordance with requirements of 21 CFR Part 807.92.

Date: October 8, 2007

#### 1. Company and Correspondent making the submission:

- Submitter's Name : OSSTEM Implant Co., Ltd.  
- Address : #507-8 Geoje3-Dong Yeonje-Gu  
Busan, 611-804, Republic of Korea  
- Contact : Mr. JongHyuk Seo

FEB - 4 2008

#### 2. Device :

Trade or (Proprietary) Name : MS System (Denture)  
Common or usual name : Dental Implant  
Classification Name : Endosseous Dental Implant  
21CFR872.3640  
Class II  
DZE

#### 3. Predicate Device :

The Maximus™ OS Implant, BioHorizons Implant Systems, Inc. K041938  
The Intermezzo™ PLUS, Mega'Gen Co., Ltd. K053354

#### 4. Description :

The MS System (Denture) is a dental implant made of Ti-6Al-4V metal intended to be surgically placed in the bone of the upper or lower jaw arches.

The MS System (Denture) is similar to other commercially available products based on the intended use, the technology used, the claims, the material composition employed and performance characteristics. The surface treatment of MS System is of R.B.M (Resorbable Blasting Media).

The MS System (Denture) is substantially equivalent in design, function and intended use to the The Maximus™ OS Implant of BioHorizons Implant Systems, Inc. K041938 and Intermezzo™ PLUS of Mega'Gen Co., Ltd. K053354.



## **OSSTEM Implant Co., Ltd.**

#507-8 Geoje3-Dong Yeonje-Gu Busan, 611-804 Republic of Korea  
Tel: +82 51 850-2500 Fax: +82 51 850-4341 www.osstem.com

---

### **5. Indication for use :**

The MS System (Denture) is intended to be place in the bone of the upper or lower jaw arches to provide support the prosthetic devices to restore the patient's chewing function, including the denture stabilization. MS System (Denture) is intended for single use only.

### **6. Review :**

The MS System (Denture) has similar material, indication for use, design and technological characteristics as the predicate device.

The MS System (Denture) has been subjected to safety, performance, and product validations prior to release. Safety tests including biocompatibility have been performed to ensure the devices comply with the applicable International and US regulations.

### **7. Conclusion :**

Based on the information provided in this premarket notification, Osstem concludes that the MS System (Denture) is safe and effective and substantially equivalent to the predicate device as described herein



FEB - 4 2008

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Osstem Implant Company, Limited  
C/O Mr. MinJoo Kim  
Manager  
Osstem Incorporated  
One Ben Fairless Drive  
Fairless Hills, Pennsylvania 19030

Re: K072959  
Trade/Device Name: MS System (Denture)  
Regulation Number: 21 CFR 872.3640  
Regulation Name: Endosseous Dental Implant  
Regulatory Class: II  
Product Code: DZE  
Dated: January 22, 2008  
Received: January 22, 2008

Dear Mr. Kim:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.


If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-0115. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Chiu Lin", with a stylized flourish at the end.

Chiu Lin, Ph.D.

Director

Division of Anesthesiology, General Hospital,

Infection Control and Dental Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure



# OSSTEM Implant Co., Ltd.

#507-8 Geoje3-Dong Yeonje-Gu Busan, 611-804 Republic of Korea  
Tel: +82 51 850-2500 Fax: +82 51 850-4341 www.osstem.com

510(k) Number K 072959

Device Name: MS System (Denture)


Indication for use : The MS System (Denture) is intended to be place in the bone of the upper or lower jaw arches to provide support the prosthetic devices to restore the patient's chewing function, including the denture stabilization. MS System (Denture) is intended for single use only.

Prescription Use X  
(Per 21CFR801 Subpart D)

OR Over-The-Counter Use \_\_\_\_\_  
(Per 21CFR807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE – CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

  
(Division Sign-Off)  
Division of Anesthesiology, General Hospital  
Infection Control, Dental Devices

510(k) Number: K072959